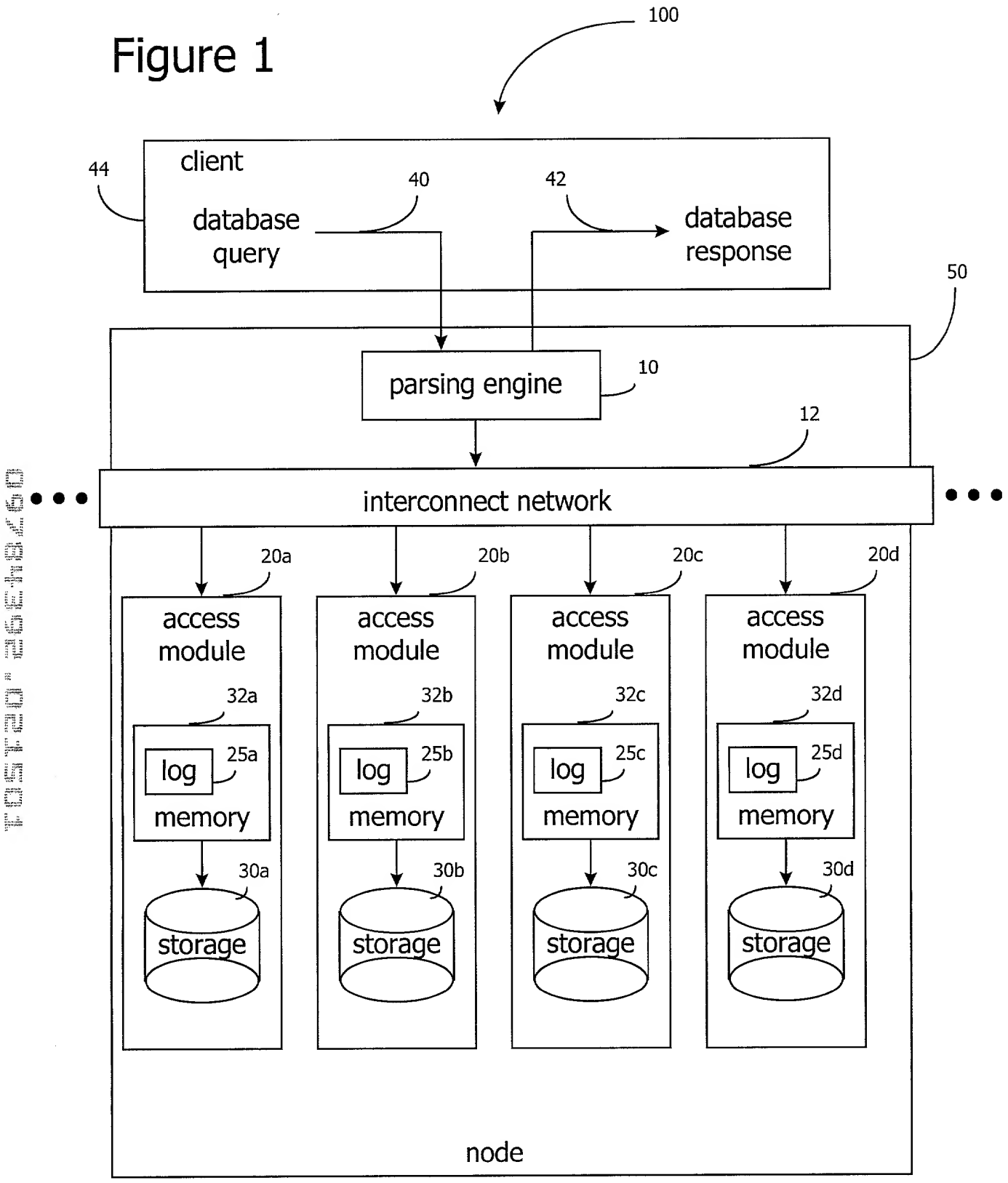
Figure 1


100
client
44
40
42
database query
database response
50
parsing engine
10
12
interconnect network
20a
20b
20c
20d
access module
32a
32b
32c
32d
log
25a
25b
25c
25d
memory
30a
30b
30c
30d
storage
node

TOSTA0 26E8260

Figure 2

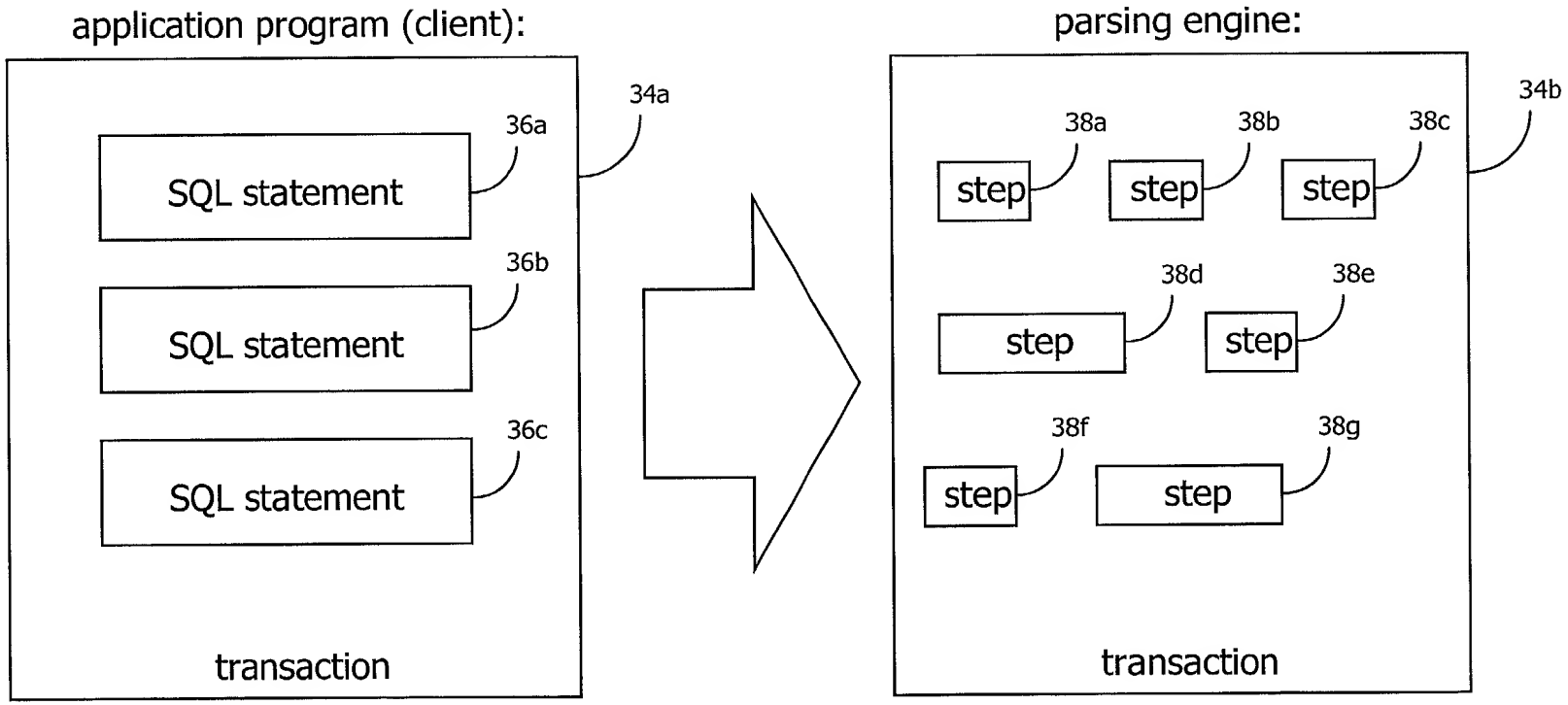


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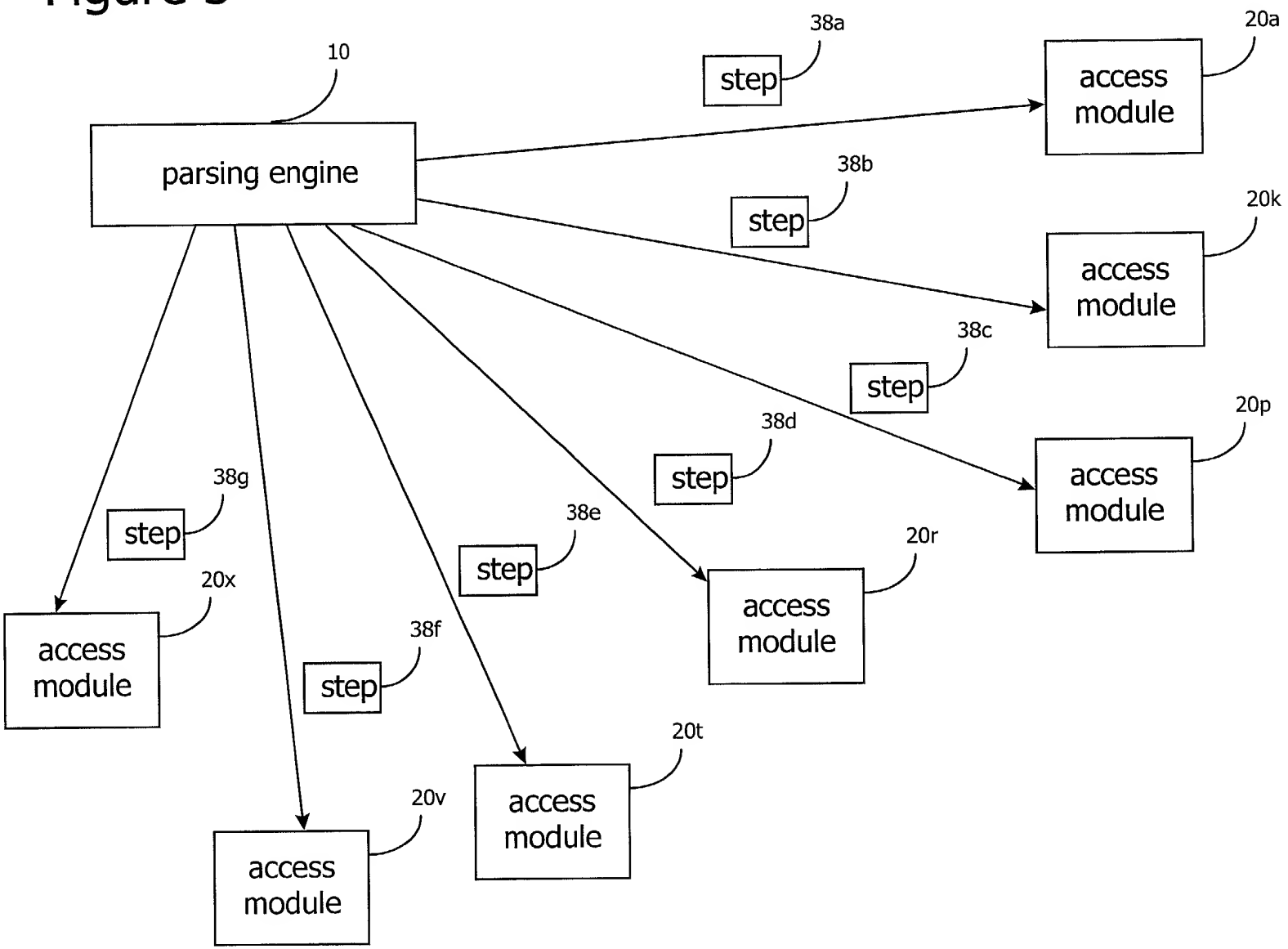
Figure 3



TOSTAO 26Eh8260

Figure 4

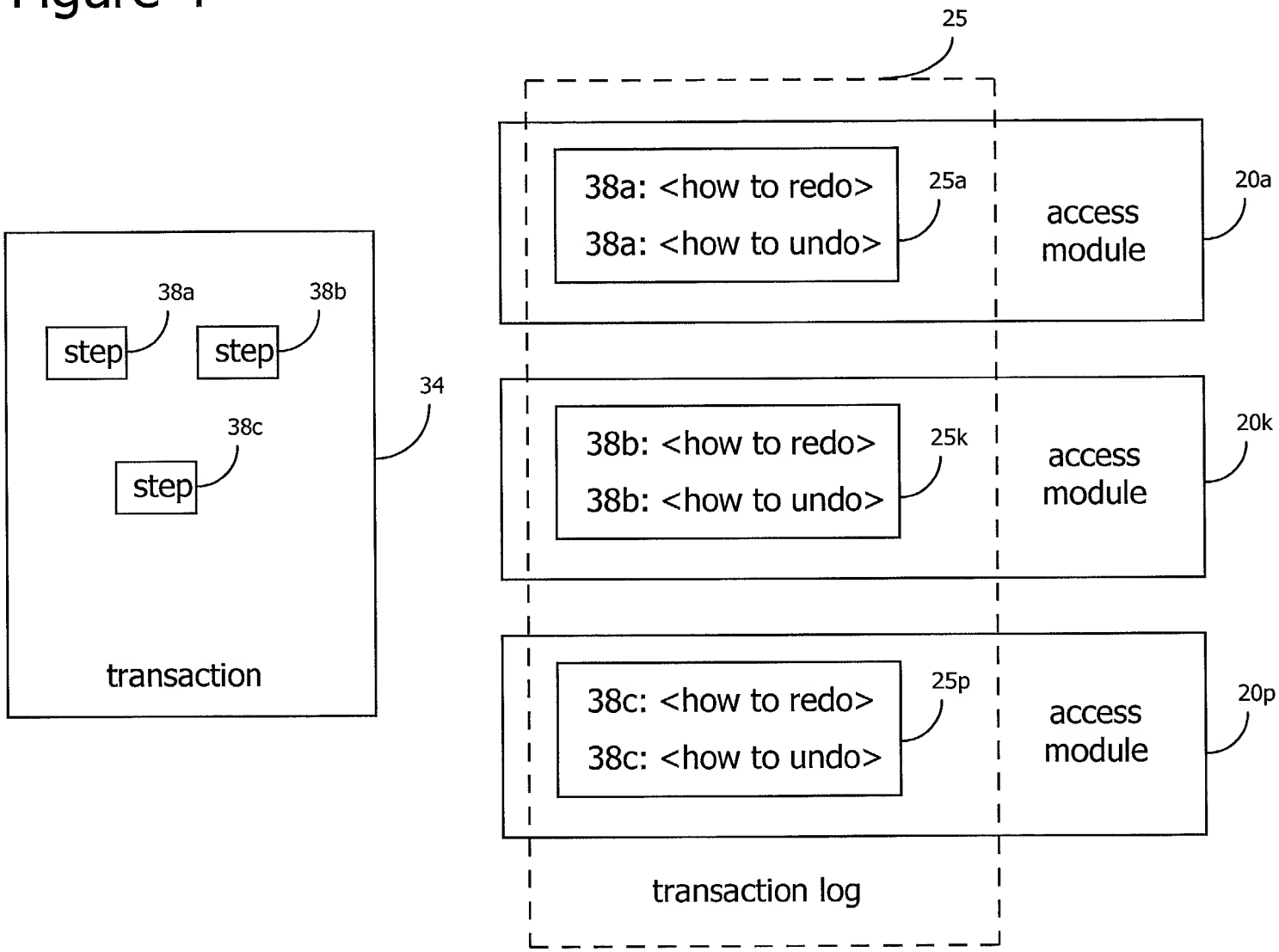


Figure 5

an end transaction (prior to committment)

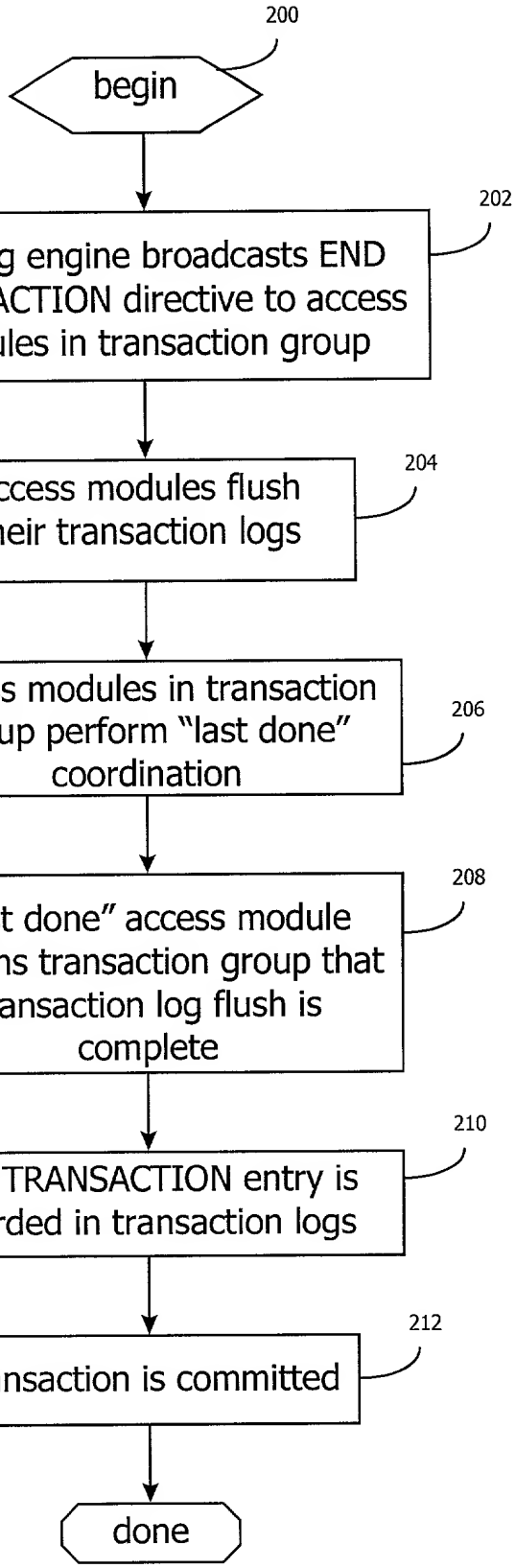


Figure 6

optimizing last step of "all transaction group" transaction

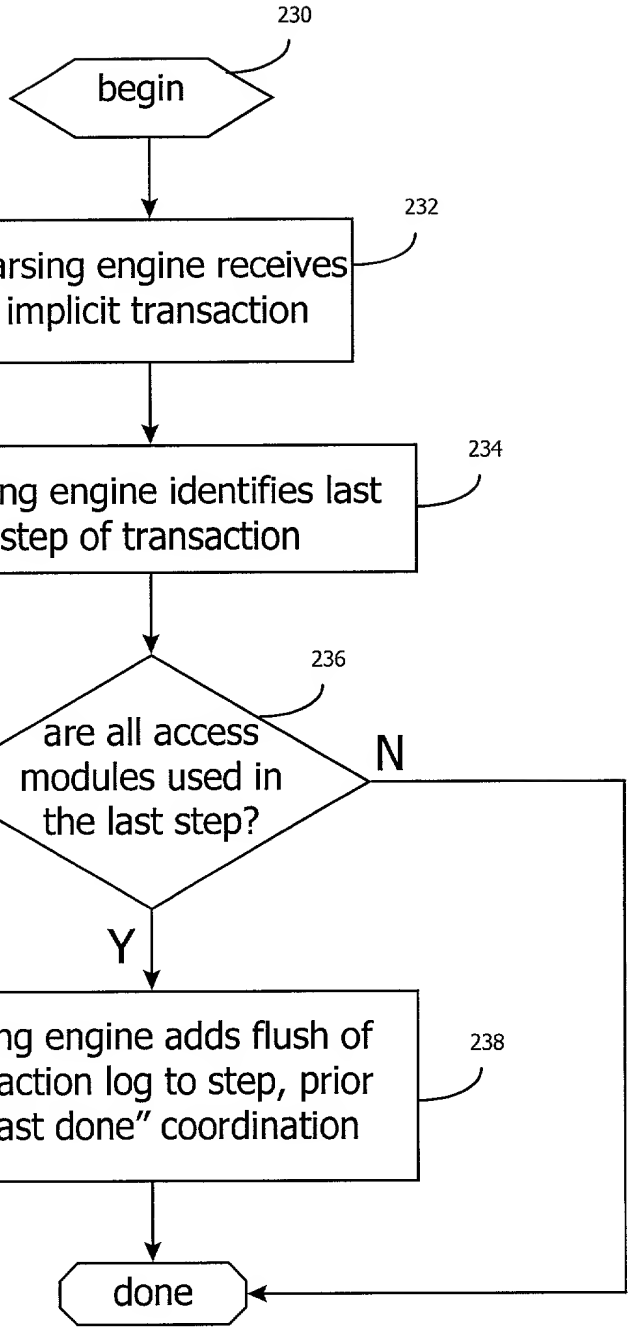


Figure 7

optimizing end transaction processing

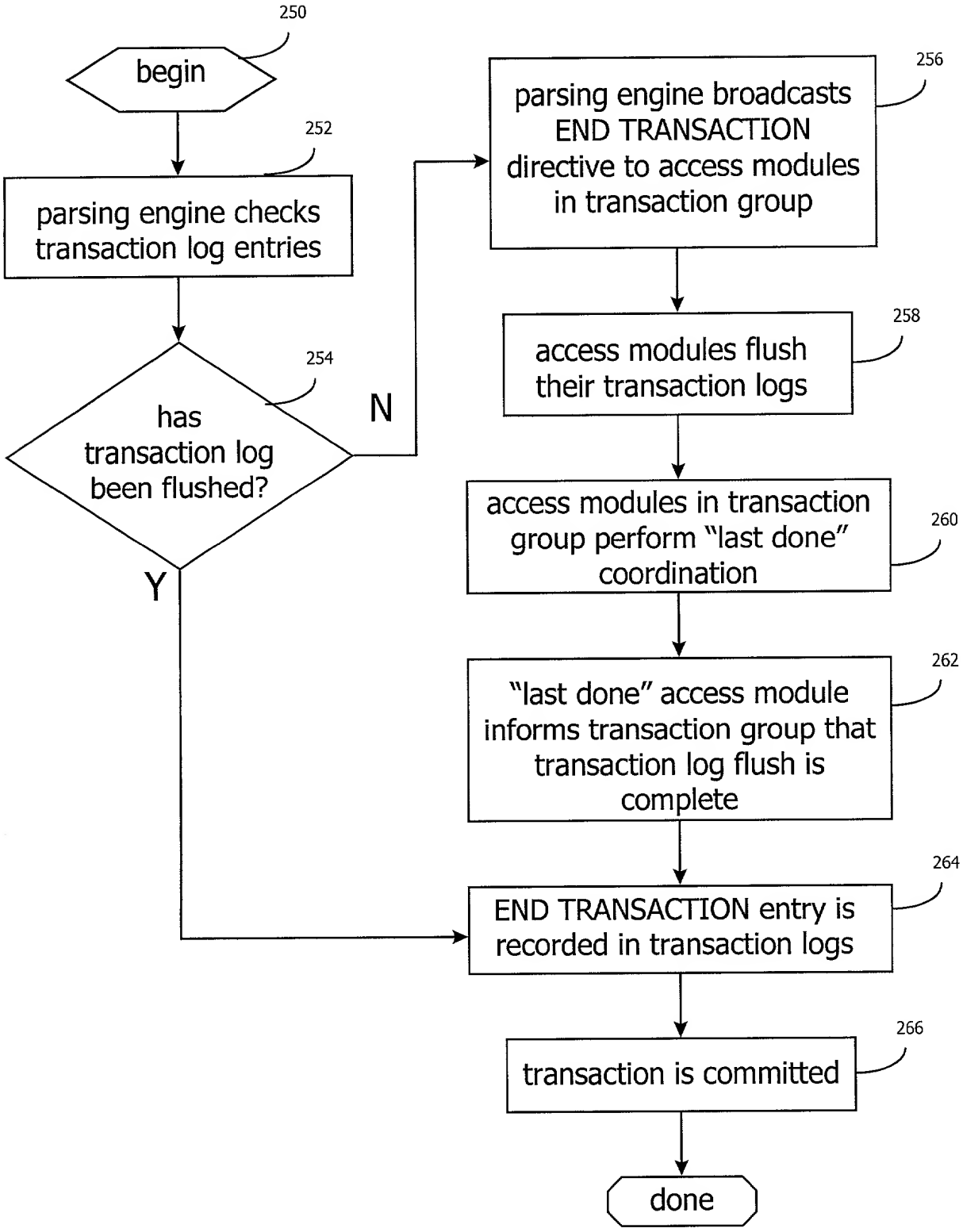


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Figure 8

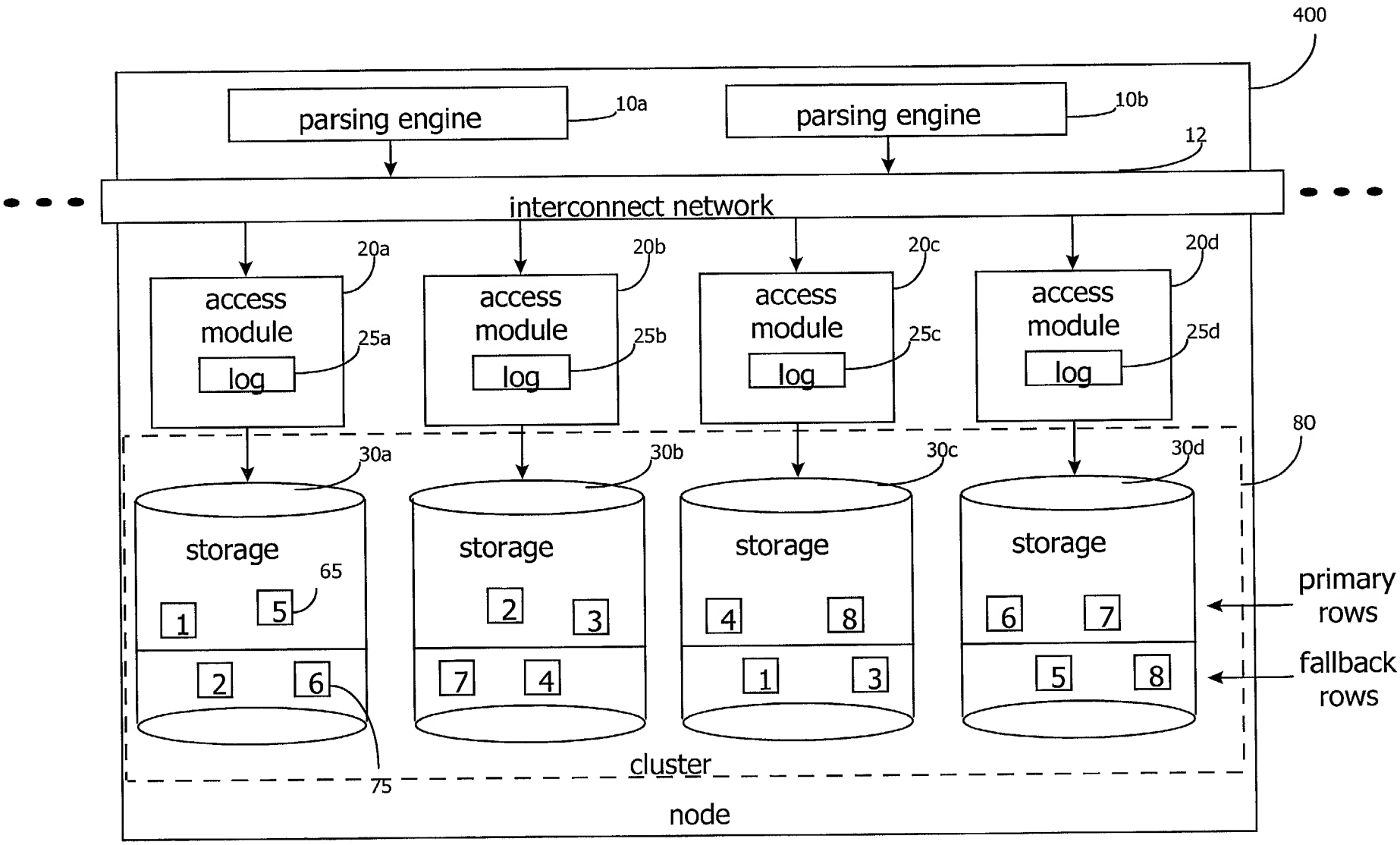


Figure 9

an end transaction
(following commitment)

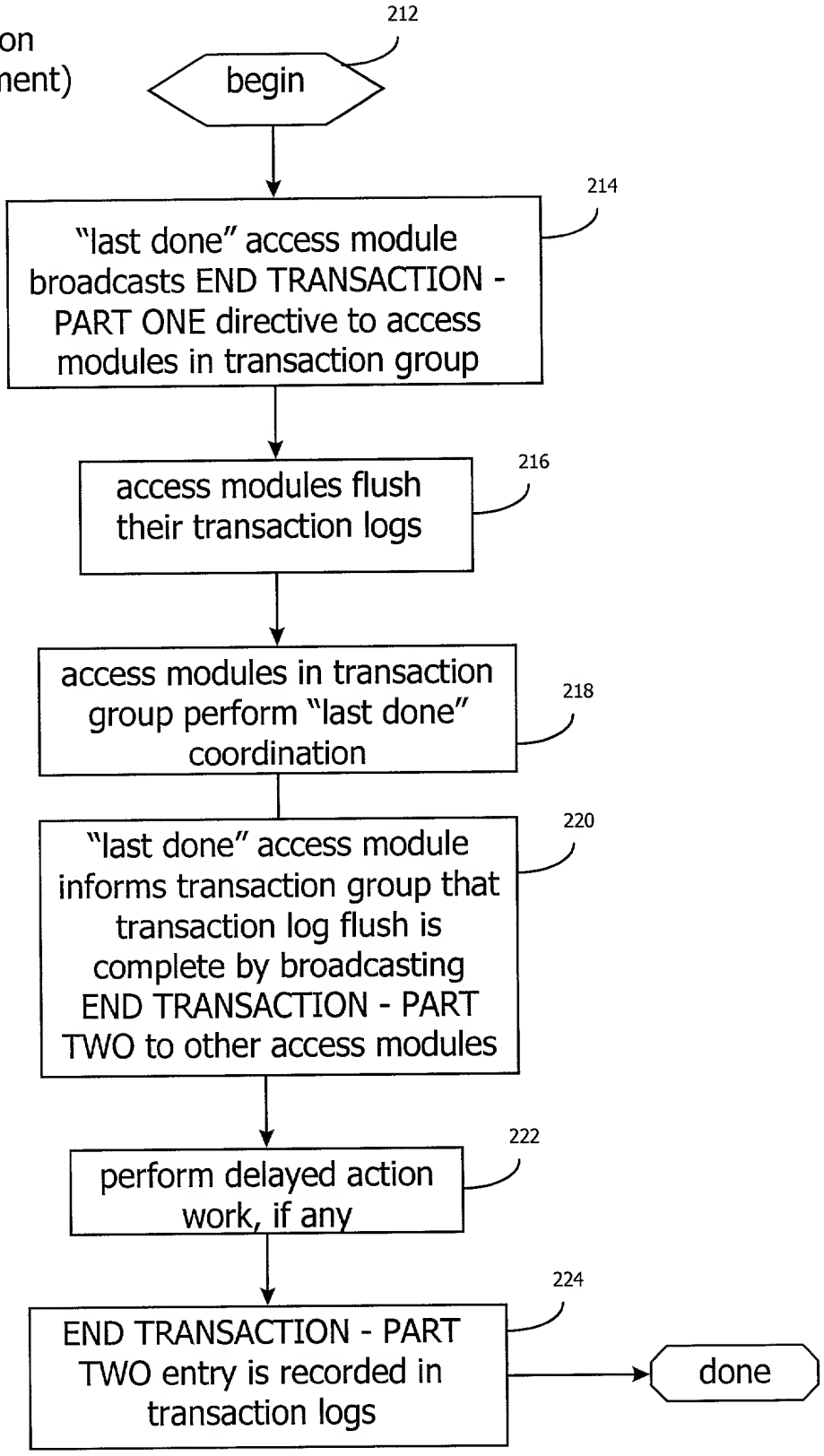
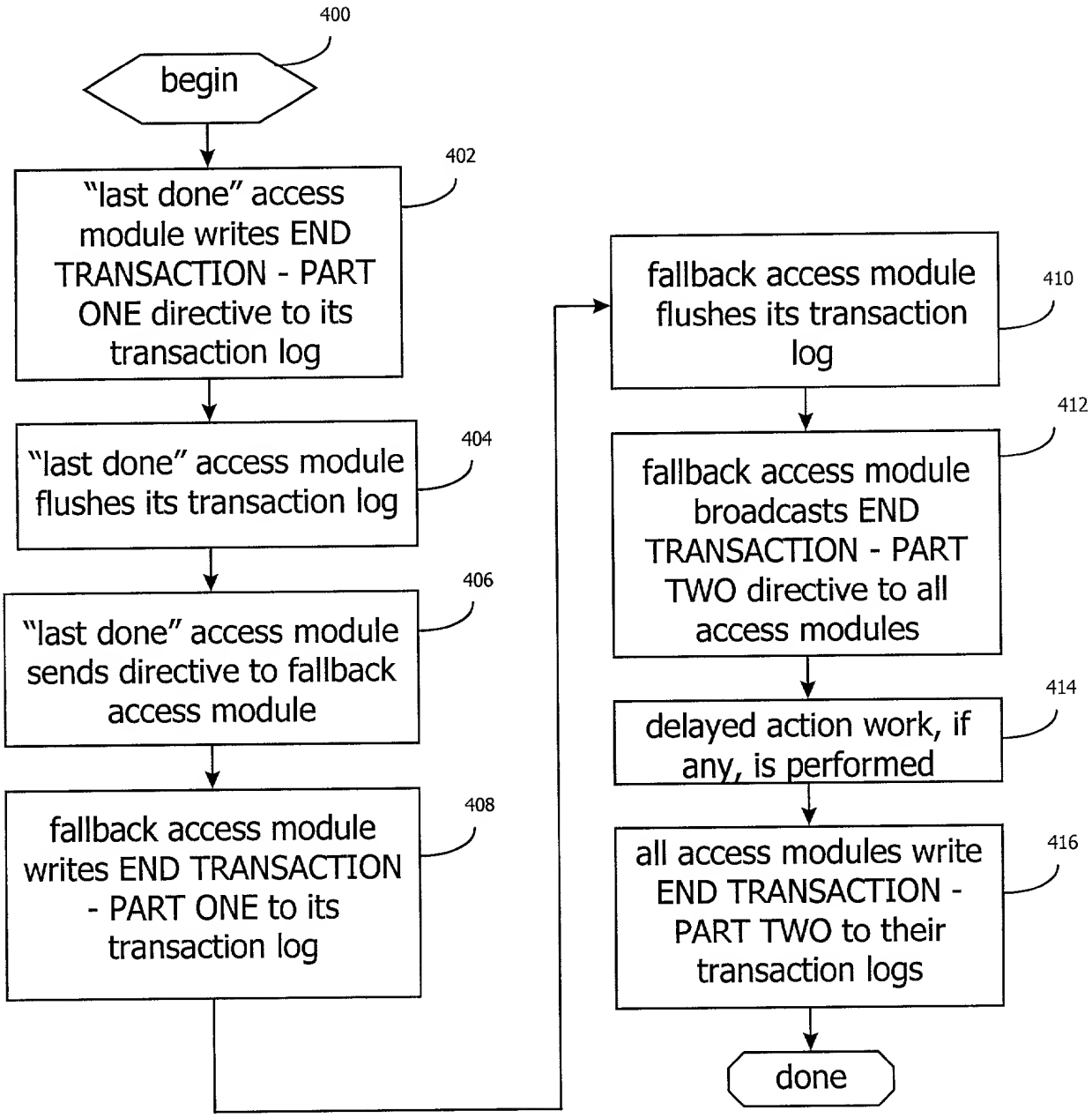


Figure 10

optimized end transaction (following commitment)